Specifications

Eaton 216509

Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, 1 NC, 1 N/O, White lens, LED element, 85 - 264 V AC, green, red, inscribed, Bezel: titanium

General specification	ns
PRODUCT NAME	Eaton Moeller® series M22 Double actuator pushbutton
CATALOG NUMBER	216509
MODEL CODE	M22-DDL-GR- X1/X0/K11/230-W
EAN	4015082165093
PRODUCT LENGTH/DEPTH	30 mm
PRODUCT HEIGHT	55 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.015 kg
CERTIFICATIONS	CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL File No.: E29184 UL CSA CSA File No.: 012528 IEC/EN 60947 CE UL 508 UL Category Control No.: NKCR VDE 0660 DNV GL LR
GLOBAL CATALOG	216509



Product specification	S
ТҮРЕ	Double actuator
ACTUATOR COLOR	Green, red
FEATURES	Transparent
ACTUATOR FUNCTION	Spring-return Momentary
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Please enquire
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.

	Resources	
_		eaton-rmq-titan-brochure- br047004en-en-us.pdf
	CATALOGS	Flip catalog - Product Range Catalog - Command and indication
_		eaton-pushbuttons-signal- towers-sensors- assortment-overview- catalog-ca047003en-en- us.pdf
	DECLARATIONS OF CONFORMITY	DA-DC-00004135.pdf DA-DC-00004157.pdf
		eaton-operating- actuation-m22- dimensions.eps
		eaton-operating- pushbutton-m22-double- actuator-pushbutton- dimensions.eps
	DRAWINGS	eaton-operating-button- m22-double-actuator- pushbutton-symbol- 010.eps
		eaton-general-m22- symbol.eps
		eaton-general-m22- standards.eps
		eaton-general-approval- m22-symbol.eps
	ECAD MODEL	<u>DA-CE-ETN.M22-DDL-GR-X1 X0 K11 230-W</u>
	INSTALLATION INSTRUCTIONS	IL04716002Z
	INSTALLATION VIDEOS	RMQ Flat Design
	MCAD MODEL	DA-CD-bg dd 1led1
		DA-CS-bg dd 1led1
	MILITIMEDIA	MCI MultiColor Light Indicator RMQ compact solution
	MULTIMEDIA	MCI Multicolor Light Indicator M22 with SmartWire-DT

10.2.7 INSCRIPTIONS Meets the product standard's requirements. 10.3 DEGREE OF PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK be evaluated. 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL ELECTRIC CONNECTION TYPE FITTED WITH: CUIMATIC PROOFING CUIMATIC PROOFING EXEL COLOR ACTUATION FORCE (DIN SMARTWIRE-DT AMBIENT OPERATING TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN ENGO947-5-1) Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Bos not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the pan		
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TEMPERATURE - MAX AMBIENT OPERATING TEMPERATURE - MIN 70 °C -25 °C	ACTUATION FORCE (DIN	4.8 mm
TEMPERATURE - MIN		70 °C
EQUIPMENT HEAT 0 W		-25 °C
	EQUIPMENT HEAT	0 W

	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator RMQ small E-Stop
	emergency-stop button
SALES NOTES	eaton-control circuit- devices rmq-titan- fl144090en-en-us.pdf eaton-rmq-flat-enclosure- flyer-fl047003en-en-us.pdf eaton-rmq-small-e-stop- flyer-fl047006en-en-us.pdf eaton-rmq-mci-multi- color-light-indicator-flyer- fl047005en-en-us.pdf
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 216509
SYSTEM OVERVIEW	Pilot devices - selection aid
WIRING DIAGRAMS	eaton-operating-diagram- m22-double-actuator- pushbutton-wiring- diagram.eps

DISSIPATION, CURRENT- DEPENDENT PVID	
FORCE FOR POSITIVE OPENING - MIN	15 N
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.11 W
KNOB TRAVEL	5.7 mm
LAMP VOLTAGE - MAX	230 V
NUMBER OF COMMAND POSITIONS	2
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
BEZEL MATERIAL	Plastic
DESIGN	Non-Flush Classical
MOUNTING POSITION	As required
LIGHT COLOR	White
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Screw connection
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	NEMA 4X, 13 IP66
INSCRIPTION	Inscribed
FRONT ELEMENT TYPE	Flat
LENS TYPE	Round
SHOCK RESISTANCE	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
OPENING DIAMETER	22.5 mm

OPENING HEIGHT	0 mm
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	1 W
WIDTH OPENING	0 mm
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 29,7 x 54,7 mm
SUITABLE FOR	Illumination

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



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